

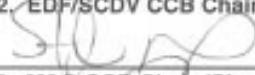
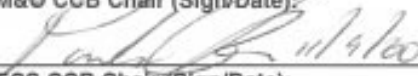


ECS Configuration Change Request

Page 1 of 2 Page(s)

| | | | | | | |
|---|--------------------------|--|-----------------------|---|----------------------|--------------------|
| 1. Originator Evan Winston | 2. Log Date: 11/10/00 | 3. CCR #: 00-1078 | 4. Rev: - | 5. Tel: 301.925.0348 | 6. Rm #: 2013 | 7. Dept. DEV/CO |
| 8. CCR Title: Test Executable 5B.06_DPS.03 to DAACs, VATC, PVC. PM1 QA checks failing at file boundaries and seven other fixes. | | | | | | |
| 9. Originator Signature/Date  11/9/00 | | 10. Class II | 11. Type: CCR | 12. Need Date: 9Nov2000 | | |
| 13. Office Manager Signature/Date  11/9/00 | | 14. Category of Change: Update ECS Baseline Doc. | | 15. Priority: (If "Emergency" fill in Block 28). Emergency | | |
| 16. Documentation/Drawings Impacted: N/A | | 17. Schedule Impact: N/A | | 18. CI(s) Affected:DPS | | |
| 19. Release Affected by this Change: 5B | | 20. Date due to Customer: | | 21. Estimated Cost: None - Under 100K | | |
| 22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: NCRs ECSed27750, 28867, 28329, 28394, 28340, 28161, 28424, and 28827. | | | | | | |
| 23. Problem: (use additional Sheets if necessary) NCR27750: PM1 QA checks failing at file boundaries. NCR28867: Removed "failure of QA analysis" flagging when "bad ephemeris" flagging is done by PM-1 DPREP attitude preprocessor. NCR28329: Change the valid range of the fractional portion of the time offset from [0,1] to [-1,1]. NCR28394: Remove hours-minutes-seconds portion of header time/first record in carry-out file consistency check. NCR28340: Changed the FDS-supplied ephemeris processor to project orbit numbers over data gaps. continued on page 2 | | | | | | |
| 24. Proposed Solution: (use additional sheets if necessary) Test Executable 5B.06_DPS.03 will provide fixes to the problems listed above. TE can be loaded on top of DPS installations of 5B.03 and 5B.06. | | | | | | |
| 25. Alternate Solution: (use additional sheets if necessary) Take no action now and wait until 5B.07 is available. | | | | | | |
| 26. Consequences if Change(s) are not approved: (use additional sheets if necessary) DAACs must continue to work around the problems and/or modify operating procedures. | | | | | | |
| 27. Justification for Emergency (If Block 15 is "Emergency"): On ECS Top Priority List (11/06/00) as #5. | | | | | | |
| 28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other | | | | | | |
| 29. Board Comments: | | | 30. Work Assigned To: | | 31. CCR Closed Date: | |
| 32. EDF/SCDV CCB Chair (Sign/Date):  11/9/00 | | Disposition: <input checked="" type="checkbox"/> Approved App/Com. <input type="checkbox"/> Disapproved <input type="checkbox"/> Withdraw <input type="checkbox"/> Fwd/ESDIS <input type="checkbox"/> ERB Fwd/ECS | | | | |
| 33. M&O CCB Chair (Sign/Date):  11/9/00 | | Disposition: <input checked="" type="checkbox"/> Approved App/Com. <input type="checkbox"/> Disapproved <input type="checkbox"/> Withdraw <input type="checkbox"/> Fwd/ESDIS <input type="checkbox"/> ERB Fwd/ECS | | | | |
| 34. ECS CCB Chair (Sign/Date): | | Disposition: <input type="checkbox"/> Approved App/Com. <input type="checkbox"/> Disapproved <input type="checkbox"/> Withdraw <input type="checkbox"/> Fwd/ESDIS <input type="checkbox"/> ERB Fwd/ESDIS | | | | |

CM01JA00

ECS/EDF/SCDV/M&O

ADDITIONAL SHEET

CCR #: 00-1078 Rev: — Originator: Evan Winston

Telephone: 301.925.0348 Office: DEV/CO

Title of Change: Test Executable 5B.06_DPS.03 to DAACs, VATC, PVC. PM1 QA checks failing at file boundaries and seven other fixes.

Box 23. Continued from page 1:

NCR28424: Changed the size of the buffer used to hold the AM1ANC L0 packet to the maximum size allowed by the Toolkit. Each packet's length is now checked by DPREP; any deviation from the expected packet size causes DPREP to skip the packet. The void where this packet once was is then filled by the DPREP gap-fill process.

NCR28161: DPREP's initial orbit number default has been changed to -1. DPREP aborts with an error message if an illegal initial orbit number (e.g. -1) is provided for boot-up. DPREP projects orbit numbers over a 7-day interval, for maximum interval that can feasibly be projected across.

NCR28827PM-1 DPREP checks if the number of "bad ephemeris" queries from PGS_EPH_EphemAttit equals the number of attitude data points processed in the data segment. If so, DPREP aborts with a error noting that ephemeris weren't processed for the data segment or the PCF failed to properly specify the ephemeris data sets to be used in attitude processing.

CONTENT:

CM: please generate two SGI tar files - one for sgi6n32 and one for irix65 - from the 5B maintenance branch for the EcDpScSCNCPRCS.pkg package.

SMC: distribute to the DAACs.

DAAC install instructions:

Changes requested by GSFC and LaRC--

This TE is to be loaded over Science Processing (DPS) installations of 5B.06

NOTICE: !!!!!This TE has 2 sets of tar files - one to be used with sgi6n32 installs and one to be used with irix65 installs!!!!!!
Pick the required tar file for either IRIX 6.2 or IRIX 6.5 OS.

1. Get TAR Files from SMC distribution;
Make sure you select the proper SGI TAR files--either for 6n32 or IRIX65.
2. UNTAR the files and copy to the staging area.
3. On a SUN host, use E.A.S.I. to perform automated installation of the EcDpScSCNCPRCS package as follows:
 - a. Select the Mode to be installed
 - b. Enter the location of the staged files
 - c. Select CUSTOM and Click Next
 - d. Select the "Subsystem" entry in the "Sort By" box.
 - e. Expand the tree down by the DPS icon and then by the EcDpSc icon.
 - f. Select the .EcDpScSCNCPRCS.pkg package and Click Next.
 - g. Select Install as the Installation Phase and Click Next
 - h. Select NORMAL as the Installation Type and STAGE as the Source File Location . Click Next
 - i. Review the packages and hosts as displayed to ensure that they are going to be installed appropriately. Click Next
 - j. Click COMM and ensure all DPS SGI hosts turn green, signaling they are communicating with ECS E.A.S.I.
 - k. Click INSTALL and monitor each host. Ensure each DPS SGI host turns green signalling a successful installation.